

## CLAIMS

1. A mobile device comprising a GPS receiver and an audible alarm configured to sound, during operation of the GPS receiver, in response to either adverse performance of the GPS receiver or to an event which is adverse or likely to be adverse to the performance of the GPS receiver.
2. A device according to claim 1 wherein the alarm is configured to sound in response to the inability of the GPS receiver to acquire or track a GPS signal.
3. A device according to claim 1 wherein the alarm is configured to sound in response to the inability of the GPS receiver to obtain or maintain a position fix.
4. A device according to claim 1 wherein the alarm is configured to sound in response to movement of the GPS receiver in so far as that movement is adverse to the performance of the GPS receiver.
5. A device according to claim 4 wherein the alarm is configured to sound in response to acceleration of the GPS receiver.
6. A device according to claim 5 wherein the GPS receiver further comprises an accelerometer to measure the acceleration of the GPS receiver whereby the alarm is configured to sound in response to an output from the accelerometer.
7. A device according to claim 1 wherein the audible alarm comprising pre-recorded verbal instructions to either reposition the mobile communications device, to refrain from moving the mobile communications device or to curb moving the mobile communications device.

8. A mobile device comprising a digital GPS receiver and an alarm configured to activate at a predetermined time prior to sampling received GPS signals.

5 9. A device according to claim 8 wherein the alarm is an audible alarm.

10 10. A device according to claim 9 wherein the audible alarm comprising pre-recorded verbal instructions to either reposition the mobile communications device, to refrain from moving the mobile communications device or to curb moving the mobile communications device.

15 11. A device according to claim 8 further comprising a display wherein the alarm is a visual alarm displayed on the display.

20 12. A device according to claim 11 wherein the visual alarm comprises instructions to either reposition the mobile communications device, to refrain from moving the mobile communications device or to curb moving the mobile communications device.

25 13. A mobile communications device comprising a communications transmitter and receiver arranged for two-way communication with a base station, a GPS receiver and an alarm configured to activate in response to the device receiving a request transmitted from the base station for the device to return GPS pseudorange measurements or a position fix obtained using the GPS receiver.

30 14. A device according to claim 13 wherein the alarm is an audible alarm.

15. A device according to claim 14 wherein the audible alarm comprising pre-recorded verbal instructions to either reposition the mobile

communications device, to refrain from moving the mobile communications device or to curb moving the mobile communications device.

16. A device according to claim 13 further comprising a display  
5 wherein the alarm is a visual alarm displayed on the display.

17. A device according to claim 16 wherein the visual alarm  
comprises instructions to either reposition the mobile communications device,  
to refrain from moving the mobile communications device or to curb moving  
10 the mobile communications device.

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